

ABSTRACT OF THE DISCLOSURE

A simulation press is provided comprising a fixed main body; a carriage associated with the main body for movement relative to the main body; a first plate coupled to the fixed main body and being adapted to engage a workpiece; and a second plate coupled to the carriage for movement with the carriage. The second plate is also adapted to engage the workpiece. One or more motor apparatus are coupled to the fixed main body and the carriage for effecting movement of the carriage relative to the main body. A drive controller is coupled to the motor apparatus for controlling the operation of the motor apparatus in response to feedback from one or more feedback sensors so as to cause the second plate to move relative to the first plate such that the first and second plates engage at least one point site on the workpiece so as to simulate compression loading of a point site on a workpiece in a nip type process.